

Title (en)

Method and apparatus for controlling exposure changes of a video camera.

Title (de)

Verfahren und Einrichtung zur Steuerung der Belichtungsänderungen einer Videokamera.

Title (fr)

Méthode et appareil pour commander les changements d'exposition d'une caméra vidéo.

Publication

**EP 0409161 A2 19910123 (EN)**

Application

**EP 90113672 A 19900717**

Priority

- JP 18495189 A 19890718
- JP 18495289 A 19890718
- JP 18495389 A 19890718
- JP 19886889 A 19890731
- JP 20073489 A 19890802
- JP 20358089 A 19890804
- JP 22858889 A 19890904
- JP 22858989 A 19890904

Abstract (en)

An exposure control apparatus receives a video signal from a scene pick-up image sensor to perform a divided brightness measuring for an image frame. In accordance with the brightness distribution or its change amount of a scene obtained by the divided brightness measuring, the adjustment speed for a diaphragm is switched. In another embodiment, a scene brightness value to be used for the exposure control is corrected to thereby obtain a smooth exposure control for continuous scenes. Scene pick-up by panning is detected by a built-in acceleration sensor in a video camera, and if the video camera is moved abruptly, the exposure control is made slowly.

IPC 1-7

**H04N 5/235**

IPC 8 full level

**G03B 7/28** (2006.01); **H04N 5/235** (2006.01); **H04N 5/238** (2006.01)

CPC (source: EP US)

**H04N 23/70** (2023.01 - EP US); **H04N 23/71** (2023.01 - EP US); **Y10S 706/90** (2013.01 - US)

Cited by

GB2419761A; US8180490B2; EP2430496A4; EP3537710A1; KR20200054320A; EP3886429A1; US8659670B2; US10805537B2; US11570373B2; WO2010123840A1; WO9305615A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0409161 A2 19910123**; **EP 0409161 A3 19930929**; **EP 0409161 B1 20001011**; DE 69033646 D1 20001116; DE 69033646 T2 20010222; JP 3113259 B2 20001127; JP H03179879 A 19910805; US 5128769 A 19920707

DOCDB simple family (application)

**EP 90113672 A 19900717**; DE 69033646 T 19900717; JP 18913590 A 19900717; US 55361690 A 19900718